

E0050

Quokka: The Small-Angle Neutron Scattering Instrument at OPAL. E.P. Gilbert, Bragg Inst., ANSTO, PMB 1, Menai, NSW 2234, Australia, e-mail: epg@ansto.gov.au.

A small-angle neutron scattering (SANS) instrument is being designed as part of the initial instrument suite for the 20-MW Australian Reactor, OPAL. The new instrument, receiving neutrons from a large liquid-D₂ cold source, will be in the spirit of the world's best facilities and will greatly build upon the Australian Nuclear Science and Technology Organisation's existing expertise and facilities. Scheduled for operation in January 2007, it will provide Australian and international researchers with opportunities to access state-of-the-art SANS instrumentation. The details of the new SANS will be presented.

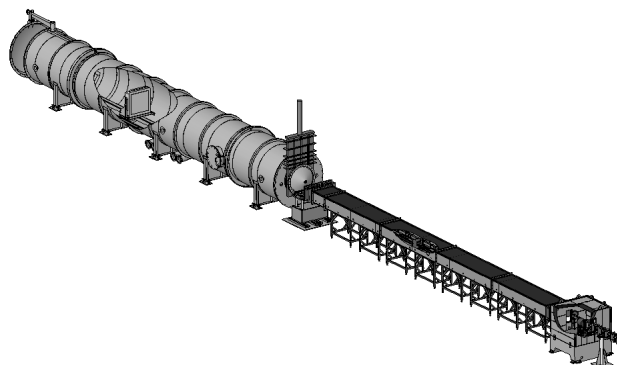


Figure 1 - Quokka - the SANS instrument at OPAL.

[1] E.P. Gilbert, J.C. Schulz and Terry J. Noakes, *Physica B*, (2006) *in press*.